# Decision Memo for Lung Volume Reduction Surgery (CAG-00115R2)

## **Decision Summary**

CMS has determined that LVRS is reasonable and necessary at additional facilities that meet alternative standards beyond those contained in our current NCD.

Therefore, CMS is revising paragraph A.2.c in CMS Publication 100-3 Section 240.1 as follows:

Effective for services performed on or after November 17, 2005, CMS determines that LVRS is reasonable and necessary when performed at facilities that are: (1) certified by the Joint Commission on Accreditation of Healthcare Organizations (Joint Commission) under the LVRS Disease Specific Care Certification Program (program standards and requirements as printed in the Joint Commission's October 25, 2004, Disease Specific Care Certification Program packet); or (2) approved as Medicare lung or heart-lung transplantation hospitals.

In addition, LVRS performed between January 1, 2004 and May 17, 2007, is reasonable and necessary when performed at facilities that: (1) were approved by the National Heart Lung and Blood Institute to participate in the National Emphysema Treatment Trial (NETT); or (2) are approved as Medicare lung or heart-lung transplantation hospitals.

A list of approved facilities and their approval dates will be listed and maintained on the CMS Web site at www.cms.hhs.gov/coverage/lvrsfacility.pdf.

Lung or heart-lung transplant facilities must have Medicare-approved transplant status at the time the LVRS is performed. Facilities that seek to satisfy the facility requirement through Joint Commission certification must be certified at the time the LVRS is performed. NETT facilities that are not Medicare approved for lung or heart-lung transplantation need to become Joint Commission-certified or a Medicare-approved transplant facility within 18 months after the effective date of this decision, November 17, 2005, in order to continue to receive Medicare payment for LVRS after that date.

Further, CMS is removing the following language from the national coverage determination (NCD) (Publication 100-3, Section 240.1.A.1):

"National Emphysema Treatment Trial (NETT) participants (effective for services performed on or after August 11, 1997):

Medicare provides coverage to those beneficiaries who are participating in the NETT trial for all services integral to the study and for which the Medicare statute does not prohibit coverage."

The NETT clinical trial has ended and, therefore, the language is no longer applicable.

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## **Decision Memo**

TO: Administrative File: CAG 00115R2

Lung Volume Reduction Surgery

FROM:

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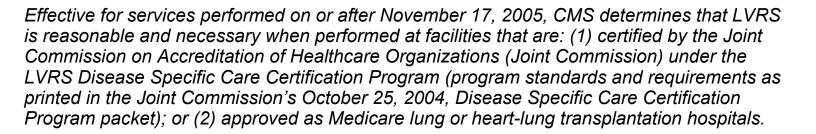
SUBJECT: Coverage Decision Memorandum for Lung Volume Reduction Surgery

DATE: November 17, 2005

#### I. Decision

CMS has determined that LVRS is reasonable and necessary at additional facilities that meet alternative standards beyond those contained in our current NCD.

Therefore, CMS is revising paragraph A.2.c in CMS Publication 100-3 Section 240.1 as follows:



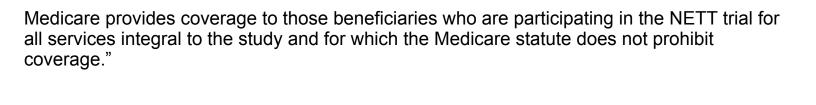
In addition, LVRS performed between January 1, 2004 and May 17, 2007, is reasonable and necessary when performed at facilities that: (1) were approved by the National Heart Lung and Blood Institute to participate in the National Emphysema Treatment Trial (NETT); or (2) are approved as Medicare lung or heart-lung transplantation hospitals.

A list of approved facilities and their approval dates will be listed and maintained on the CMS Web site at www.cms.hhs.gov/coverage/lvrsfacility.pdf.

Lung or heart-lung transplant facilities must have Medicare-approved transplant status at the time the LVRS is performed. Facilities that seek to satisfy the facility requirement through Joint Commission certification must be certified at the time the LVRS is performed. NETT facilities that are not Medicare approved for lung or heart-lung transplantation need to become Joint Commission-certified or a Medicare-approved transplant facility within 18 months after the effective date of this decision, November 17, 2005, in order to continue to receive Medicare payment for LVRS after that date.

Further, CMS is removing the following language from the national coverage determination (NCD) (Publication 100-3, Section 240.1.A.1):

"National Emphysema Treatment Trial (NETT) participants (effective for services performed on or after August 11, 1997):



The NETT clinical trial has ended and, therefore, the language is no longer applicable.

## II. Background

LVRS is a surgical procedure for patients who have severe emphysema where damaged lung tissue is selectively removed. Emphysema is a progressively disabling lung disease that mostly affects current or former cigarette smokers. Over two million Americans suffer from emphysema. LVRS has been shown to alleviate symptoms and improve health outcomes for patients with selected clinical characteristics when provided by experienced facilities. As with any surgical procedure, there are risks and complications associated with LVRS. A detailed discussion of emphysema and the risks and benefits of LVRS is available in the August 20, 2003 decision memorandum at http://www.cms.hhs.gov/coverage/download/id96.pdf [PDF, 231KB].

On February 17, 2005, the Centers for Medicare and Medicaid Services (CMS) formally received a request submitted by the Joint Commission to allow hospitals certified through its disease-specific care certification program for LVRS to be Medicare-approved LVRS facilities. The Agency then began the review of this request for reconsideration of the previous national coverage determination (NCD) for LVRS. The purpose of this reconsideration is to evaluate the LVRS facility certification program requirements developed by the Joint Commission in order to determine whether these criteria are consistent with the current Medicare requirements.

CMS is only reviewing the process for determining if LVRS facility standards are met. We are not reviewing any other standards in the LVRS NCD. All other requirements of the current Medicare NCD for LVRS remain applicable. Also, while this reconsideration recognizes Joint Commission certification as an alternative mechanism to assess that facilities meet requirements under Medicare, if requested by other third-party entities, CMS will evaluate additional programs designed to evaluate facilities wishing to furnish LVRS services.

## **III. History of Medicare Coverage**

Prior to December 1995, Medicare did not have a national coverage policy regarding LVRS and coverage for the procedure was overseen by Medicare contractors. Due to concerns for patient safety and inadequate medical evidence supporting the procedure, CMS issued a national policy in December 1995, non-covering LVRS.

In 1996, CMS and the National Heart, Lung and Blood Institute (NHLBI) agreed to jointly sponsor the National Emphysema Treatment Trial (NETT), a multi-centered, controlled clinical trial to compare LVRS with medical management in the treatment of severe emphysema. Between 1996 and 2003, CMS only covered LVRS when it was performed under the protocol of the NETT.

The published results from the NETT served as the basis of the Medicare National Coverage Determination that broadened LVRS coverage beyond the NETT for patients with particular clinical indications. In addition to carefully outlining the patient population, this decision allowed LVRS to be performed only in facilities that were Medicare approved for lung transplants or had been approved as NETT centers. Expanded coverage for LVRS became effective on January 1, 2004.

#### IV. Timeline of Recent Activities

August 20, 2003	CMS issues the Decision Memorandum announcing the intention of CMS to cover LVRS outside of clinical trials for specific clinical indications and the intention to consider allowing a third party program to certify Medicare-approved LVRS facilities.
January 1, 2004	The August 2003 decision becomes effective.
February 17, 2005	CMS opens a reconsideration for LVRS to review third party accreditation standards for facilities performing this procedure.
March 17, 2005	Initial 30-day public comment period closes.
August 18, 2005	Proposed Decision Memorandum is posted for public comment.
September 18, 2005	Public comment period for the proposed document closes.



#### V. FDA Status

LVRS is a surgical procedure that does not require FDA approval.

#### VI. Methods

In this memorandum, CMS compares the Joint Commission program requirements to the existing Medicare LVRS facility requirements that served as the basis for approving NETT centers and lung transplant centers in January 2004. Our examination consisted of:

- Reviewing the process used by the Joint Commission to develop their standards; and
- Comparing the Joint Commission standards with the general standards for LVRS
  facilities established by CMS to determine whether the Joint Commission's LVRSspecific certification criteria are at least equivalent to the CMS standards and therefore
  likely to identify facilities that will furnish LVRS in a reasonable and necessary manner.

Further, CMS explains why the designation of currently approved NETT facilities will terminate in the future due to the cessation of oversight provided by NHLBI. We provide an alternative method for those hospitals to become approved so that they may continue to receive Medicare payment for covered LVRS procedures.

#### VII. Assessment

1. Assessment questions
In this assessment, CMS seeks to address the following questions:
<ul> <li>Are the Joint Commission standards at least equivalent to the CMS standards used to select NETT and transplant centers in the January 2004 decision?</li> </ul>
Should facilities selected as NETT centers continue to be approved as LVRS facilities?
What impact will the proposed transplant regulation have on LVRS approved facilities <sup>2</sup> ?

## 2. Current CMS requirements for LVRS facilities

In the August 2003 decision memorandum, by selecting the sites that had been approved by NHLBI to participate in the NETT as Medicare-approved programs, CMS implicitly adopted the facility standards that had been utilized by NHLBI to identify facilities qualified to participate in the trial.<sup>3</sup> These requirements included, among others, that each facility had assembled an integrated team expert in pulmonary medicine, had a close working relationship with a lung or heart-lung transplantation center, and had the ability to provide relevant patient outcome data. CMS adopted the NHLBI-derived standards by restricting approved facilities initially to those that participated in the NETT in addition to Medicare-approved transplant centers which were presumed to have met the above criteria. The NHLBI standards are explicitly stated below:

- The facility must ensure that all individuals who provide services and/or supervise services in the LVRS program are qualified to provide or supervise such services.
- The facility must identify a multidisciplinary LVRS team and describe the responsibilities
  of each member of the team. The team must be composed of individuals with the
  appropriate qualifications, training and experience in the relevant areas of pulmonary
  medicine, pulmonary rehabilitation, thoracic surgery, critical care anesthesia, and
  pulmonary radiological assessment.
- The primary surgeon participating in the program must have experience performing LVRS procedures.
- The pulmonary specialist(s) must have training and clinical expertise in managing and treating end-stage emphysema patients, have a firm understanding of pulmonary medicine and pulmonary rehabilitation, and have experience in managing patients undergoing LVRS.
- The facility must demonstrate a close working relationship with or be a Medicare lung or heart-lung transplantation center to ensure that patients are adequately evaluated for both LVRS and lung transplant prior to the surgical procedure.
- The facility must demonstrate availability of expertise in internal medicine, surgery, anesthesiology, infectious disease control, pathology, radiology, physical therapy and blood banking as related to the provision of LVRS.
- The facility must establish and implement written policies to address and document adverse events that occur during the management of an LVRS patient.
- The facility must have a written informed consent process that informs each patient of:
  1) the evaluation process; 2) the surgical procedure; 3) alternative treatments; 4)
  national and center-specific rates for potential surgical risks, hospital lengths of stays,
  30-day mortality and other relevant outcome measures; 5) risk factors that could affect
  the success of the surgery; and 6) the patient's right to refuse the intervention.

In addition, NHLBI required that NETT facilities had the capacity to collect, analyze and provide pre-operative, post-operative and follow-up data. Accordingly, the facility's quality improvement program would utilize objective measures to evaluate the LVRS program's performance periodically with regard to LVRS services and outcomes. Services and outcomes could include, but were not limited to patient selection criteria, consent practices, length of stay, surgical and medical complications and early (30-day) or late (90-day) mortality rates. LVRS programs maintain these and other relevant data (e.g., number of procedures performed by individual practitioners). In sum, we expected that each LVRS program would take actions resulting in performance improvements and would track performance to ensure that improvements were sustained.

In order to provide adequate access to LVRS while preserving a high standard of care, CMS also concluded that the NETT results were likely to be applicable to lung transplant centers for which CMS had already developed criteria for approval under the Medicare program. We believed that the kind of integrated team assembled at the NETT sites with expertise in pulmonary medicine – especially as it related to end-stage emphysema, pulmonary rehabilitation, thoracic surgery, critical care anesthesia, quality of life and dyspnea measurements, and pulmonary radiological assessment - would be present or could be established readily at Medicare-approved lung transplant facilities. We also understood that experienced lung and heart-lung transplant surgeons could perform LVRS with beneficial results, given the overlap of skills required for both surgical procedures.

## 3. Joint Commission: Standard development

The proposal submitted to CMS for LVRS certification was developed within the framework common to all the disease-specific certification programs offered by the Joint Commission. It contains a core set of standards and the corresponding elements of performance for each standard applicable to the individual condition of interest, for example, stroke or asthma. Elements of performance are measurable characteristics used to evaluate compliance with standards and thus inform the Joint Commission's review procedures. Elements of performance specifically required for certification of LVRS facilities were incorporated into this framework.<sup>4</sup>

In order to develop the LVRS-specific elements of performance in its certification program, the Joint Commission assembled a task force composed of physicians representing the Society of Thoracic Surgeons, the American College of Chest Physicians, and other experts, including cardiothoracic surgeons. These selected experts provided their views on the characteristics critical to the structure and operation of a program capable of providing appropriate services centered on this procedure as well as on patient inclusion/exclusion criteria.

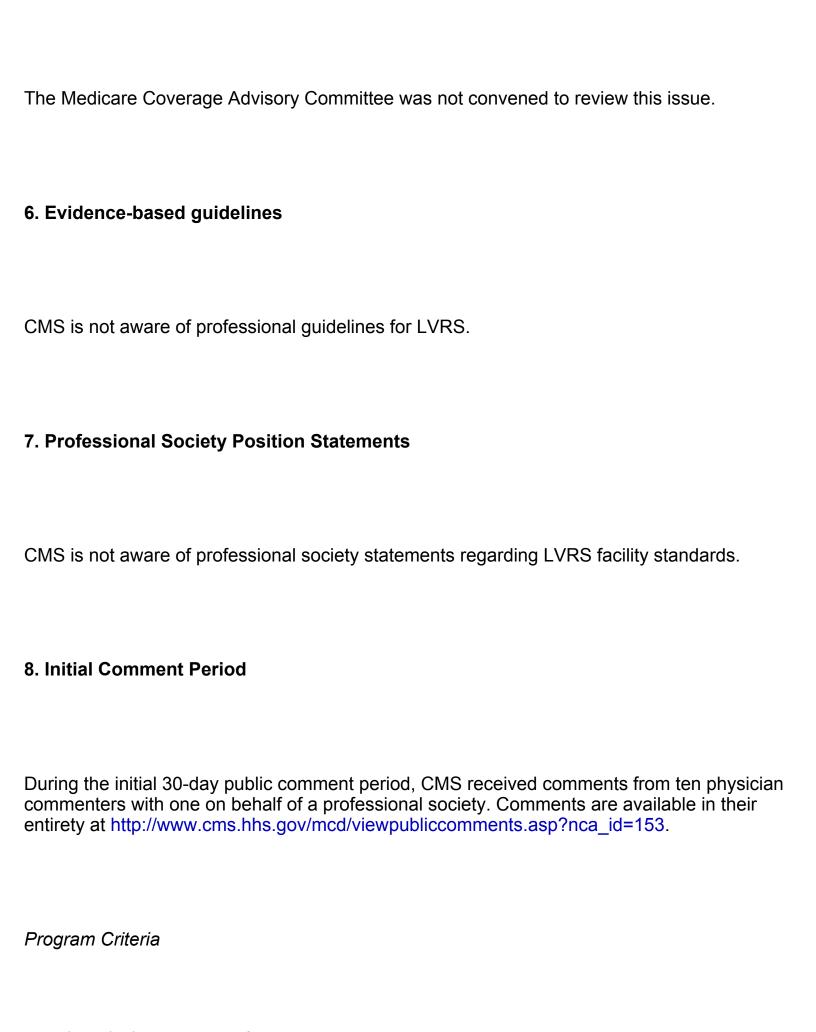
To obtain public input, the Joint Commission posted the proposed LVRS requirements on its web site and solicited comments directly from over 60,000 individuals enrolled on the Joint Commission ListServ. The comments received were incorporated where appropriate. The standards were reviewed again by the expert panel before a final LVRS certification program proposal was submitted to CMS.<sup>5</sup>

The LVRS certification program involves a two-year award cycle with an off-site and an on-site evaluation in the first year and an off-site intra-cycle evaluation during the second year. Certification is limited to hospital-based programs. Review of pre- and post-surgery rehabilitation services is to be conducted as part of the evaluation of the hospital program's ability to provide or coordinate all required services. The standards and elements of performance developed by the Joint Commission for LVRS certification are printed in the October 25, 2004, Disease-Specific Care Certification Program packet and are listed in Appendix A.

## 4. External technology assessments

No external technology assessment was commissioned for this review.

#### 5. MCAC

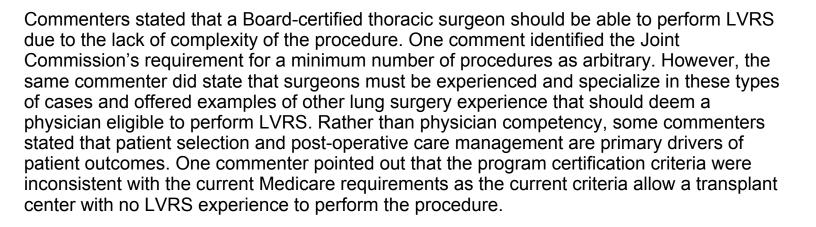


Multiple commenters supported the notion that NETT centers be automatically certified since these centers have already demonstrated their ability to perform LVRS. One supporter recommended that this should still be the case if only one of the NETT surgeons remains at the facility. One commenter suggested that sensible restrictions should be in place and hospitals with a Board-certified thoracic surgeon (or equivalent), sufficient case volume, specialized units and available rehabilitation facilities should be able to perform LVRS.

Other commenters were concerned that credentialing would limit the number of approved facilities unnecessarily. They commented that limiting facilities should not be an issue since this would limit patient access to LVRS and that LVRS does not generate scarce resource utilization concerns as transplants do. One commenter noted that currently approved facilities should be held to the same data reporting standards and re-certification requirements but should not need to undergo a new application with the Joint Commission. Rather than certification, one commenter recommended that a registry be used to compare facility outcomes with acceptable standards. An additional commenter recommended that the General Thoracic Database, run by the Society of Thoracic Surgeons, be an option for following LVRS programs and that this database is already in use by many centers. This same commenter supported third-party certification as delegated to Joint Commission.

One commenter was concerned that this type of mandated disease-specific certification will become redundant as some assessments and tracking are already required by third-party accreditors (e.g., outpatient and inpatient care programs already reviewed by the Joint Commission).

Physician Criteria



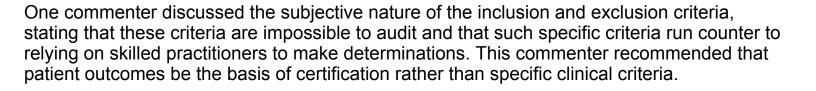
#### Coordination of Care

One commenter recommended that CMS eliminate the requirement that the surgical facility coordinate all pre-operative services which include rehabilitation and post-operative services. The commenter stated that these requirements place unnecessary burden on the facility-based provider and sever the relationship between the patient and their local providers.

One commenter stated agreement with the Joint Commission and CMS requirement that patients should obtain evaluations for both LVRS and transplant and that non-transplant facilities should arrange for patients to be evaluated objectively and educated on the risks of LVRS versus transplantation.

Although some commenters supported data collection, one commenter specifically pointed out that this type of reporting should be done only when possible and that follow-up testing would be inconvenient and expensive for the patient.

#### Clinical Indications



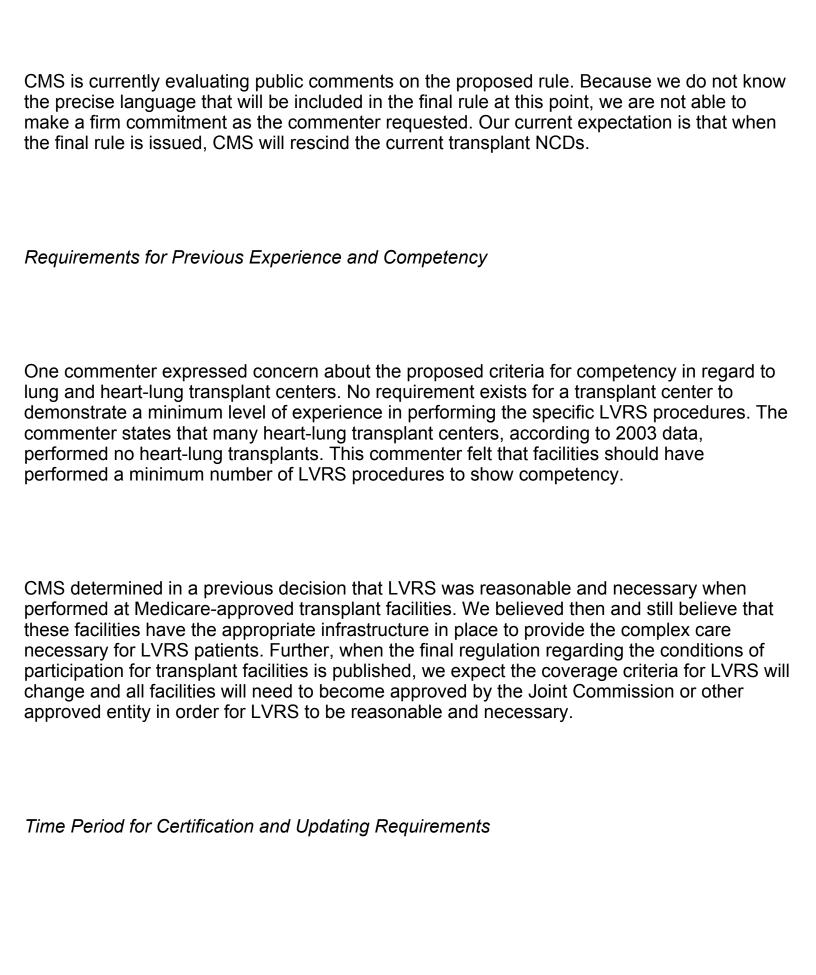
One commenter pointed out that the high-risk patient population identified in the 2002 *New England Journal of Medicine* article was not specifically excluded in the Joint Commission standards.

## 9. Comments on the Proposed Decision Memorandum

During the 30-day comment period for the proposed decision for LVRS, CMS received comments from the Joint Commission and three physicians, including one on behalf of a professional society. Comments are available in their entirety at <a href="http://www.cms.hhs.gov/mcd/viewpubliccomments.asp?nca\_id=153">http://www.cms.hhs.gov/mcd/viewpubliccomments.asp?nca\_id=153</a>. A summary of the comments and the CMS responses follow.

Impact on New Transplant CoPs on LVRS Reimbursement

One commenter stated that CMS should clarify its intent regarding certification for lung and heart-lung transplant centers after the final conditions for participation (CoPs) for transplant centers are published. This commenter felt that the decision memo language should be modified to state clearly that when the transplant regulations become final, "in order to continue to be eligible to receive reimbursement for LVRS performed on Medicare beneficiaries, transplant facilities will need to be certified for LVRS by the Joint Commission (or similarly approved entity)."



A commenter felt that the 18-month time period proposed for NETT facilities to obtain certification while still performing LVRS procedures without oversight is too long. A recommendation was presented to shorten the time period to 12 months in order to minimize quality concerns. This commenter further stated that some of the requirements in the NETT study that are still in effect are out of date.

CMS determined that 18 months is an appropriate time frame to implement new LVRS facility requirements. We believe that 12 months does not provide adequate time for facilities to prepare for and complete the Joint Commission certification process. When the final regulation regarding the conditions of participation for transplant facilities becomes final, it will be important to allow adequate time for such a large volume of facilities to go through the Joint Commission certification process or any alternatives processes.

Ending Reimbursement to NETT Facilities

One commenter, who presented his credentials as an early investigator in the field of thoracoscopic LVRS, a principal investigator in NETT, and extensive involvement in numerous publications on LVRS, was "dismayed by the proposed decision ending payment for LVRS for those programs that had participated in the NETT." This commenter felt this decision to be arbitrary and focused on the participation of his institution only, since he asserts that the other 16 of the 17 NETT centers are lung transplant centers. The commenter further stated that the decision would be counterproductive in a "quest for quality" since many transplant centers have little or no experience with LVRS, while his center has an established track record of excellence with LVRS. This commenter's qualifications and statements were supported by a second commenter who urged CMS to reconsider the plan to limit coverage of LVRS to centers that are approved lung transplant centers or approved by the Joint Commission. This second commenter felt that the vetting that was required to participate in the NETT, in combination with clinical experience, warrant continued inclusion as an approved LVRS center.

CMS understands the concerns raised by the commenters regarding NETT centers no longer automatically qualifying as Medicare approved for LVRS; however, we maintain the position expressed in this decision memorandum that since the formal relationship between the NETT centers and NHLBI no longer exists, CMS can not be assured that the NETT centers are maintaining the infrastructure by which they were once approved. For facilities such as the commenter's facility, we expect Joint Commission certification will be readily obtainable given the facility's experience, volume and professed outcomes.

Joint Commission Standards

A commenter, on behalf of the American Thoracic Society (ATS), agreed with the need to create a process in which additional facilities could demonstrate their competency in performing LVRS and qualify as a provider of this service for Medicare. However, the commenter expressed concern about the Joint Commission standards and how they depart from the NETT criteria. Specific concerns were identified in regard to an absence of patient selection criteria excluding patients from the high-risk group (patients with FEV1< 20% and either diffuse disease or DLCO <20%); the lack of clear identification of a specific role of pulmonary rehabilitation prior to surgery: and the lack of a minimum 90-day post surgical mortality threshold to qualify as a LVRS provider. ATS encourages the inclusion of criteria for these three areas for qualifying LVRS providers.

The Joint Commission clinical inclusion and exclusion criteria does vary from the CMS policy, but the CMS policy on these clinical criteria will remain in effect for Medicare beneficiaries. Therefore, in order for claims to be paid by the Medicare program, Medicare beneficiaries who receive LVRS will still need to meet the clinical criteria outlined by CMS in the original LVRS NCD. This review was limited to facility criteria and did not change the clinical criteria. CMS has considered establishing a surgical mortality threshold. However, at this point, we do not feel comfortable establishing such an outcome threshold given that the only measures currently available are from the NETT clinical trial and they may not translate appropriately to routine practice.

## **VIII. CMS Analysis**

National coverage determinations (NCDs) are determinations made by the Secretary with respect to whether or not a particular item or service is covered nationally under title XVIII of the Social Security Act § 1862(I)(6)(A). In order to be covered by Medicare, an item or service must fall within one or more benefit categories contained within Part A or Part B, and must not be otherwise excluded from coverage. Moreover, with limited exceptions, the expenses incurred for items or services must be "reasonable and necessary for the diagnosis or treatment of illness or injury or to improve the functioning of a malformed body member." § 1862(a)(1)(A) of the Social Security Act.

We previously concluded that LVRS was reasonable and necessary for certain patients meeting specific criteria if performed in certain qualified facilities. We have been asked to modify this NCD to permit coverage in facilities that meet alternative standards. Except as noted below, all other aspects of the existing NCD remain unchanged.

Are the Joint Commission standards at least equivalent to the CMS standards used to select NETT and transplant centers in the January 2004 decision?

Usually, medical and surgical procedures can be performed successfully in most facilities that meet Medicare conditions of participation for hospitals. However, as indicated above, in the case of LVRS, various other factors are related to the safety and effectiveness of the procedure. Coverage of this and other technically demanding procedures (such as lung transplantation) performed on severely-ill patients requires additional restrictions in order to ensure the services are reasonable and necessary. In these instances, facilities and providers must be able to demonstrate the competencies necessary to safely and effectively provide the technology or service in question.

Facility standards

As discussed earlier, by selecting the sites that had been approved by NHLBI to participate in the NETT as Medicare-approved programs in the original NCD, CMS implicitly adopted the facility standards that had been utilized by NHLBI to identify appropriate facilities qualified to participate in the trial. CMS restricted approved facilities to those that participated in the NETT as well as recognizing LVRS performed at Medicare-approved lung and heart-lung transplant centers. We have listed those standards above.

The Joint Commission has established a disease-specific certification program for LVRS. The organization has requested through the NCD process that CMS approve its certification program. Although the Joint Commission standards include both patient selection and facility requirements, CMS is evaluating in this reconsideration those criteria related to facility standards only. Medicare payment for LVRS programs will continue to be limited to LVRS performed on beneficiaries who meet the patient clinical criteria outlined in our previous NCD.

The facility requirements adopted by the Joint Commission appear to be derived directly from those originally developed by NHLBI to select facilities for the NETT trial.<sup>6</sup> These are the facility requirements that CMS had implicitly adopted in its previous decision on LVRS. The Joint Commission certification program standards thus appear to be commensurate with the facility standards previously recognized by CMS as being adequate to ensure LVRS would be delivered in a reasonable and necessary manner. In addition, we note that the program has an organized approach to performance improvement, measures patient health outcomes, and allows participants to be actively involved in making decisions about their care.

In sum, the standards that the Joint Commission has established for certification of facilities furnishing LVRS services are consistent and equivalent with those CMS has found to be adequate to improve the health outcomes of Medicare beneficiaries. Adoption of the Joint Commission standards and methods will offer an opportunity for certification to any health care organization that shows the competence required to perform LVRS procedure successfully.

Not only do we believe that the Joint Commission standards are equivalent to the CMS standards, but we believe there are some significant additional benefits. The Joint Commission has incorporated specific performance measures and quality improvement requirements in its certification processes. The Joint Commission has also incorporated outcome measures. In addition, the certification program has a mechanism for facility reapproval and the Agency considers re-approval of LVRS facilities an unmet need.

For the reasons outlined above, CMS will include Joint Commission certification as an alternative mechanism for facilities to become approved to perform Medicare-covered LVRS. CMS reviewed the Joint Commission facility standards as printed in the October 25, 2004, Disease-Specific Care Certification Program packet and coverage of LVRS will include facilities approved under these particular standards beginning with the effective date of our NCD. Any changes in the facility standards in the Joint Commission certification program need to be reevaluated by CMS. Any facilities certified under altered standards, not approved by CMS, would not be eligible for payment for LVRS performed on Medicare beneficiaries.

The LVRS facility standards and the Joint Commission disease-specific certification process that we are incorporating into our national coverage determination are similar to but do not have the same legal effect as the standards and certification in 42 CFR Part 482 (Conditions of participation for hospitals). However, the options for certification as an LVRS facility identified in this NCD are considered necessary for LVRS to be reimbursed as reasonable and necessary under section 1862(a)(1)(A) of the Social Security Act, but are not hospital conditions of participation.

In addition, as stated above, CMS will also consider future requests to reconsider this NCD from any other certifying entity that submits its criteria and methods and wishes to perform a comparable certification function as the Joint Commission.

Should facilities selected as NETT centers continue to be approved as LVRS facilities?

In the January 2004 decision, CMS included NETT centers as approved LVRS facilities in part because the centers were required to maintain a relationship with NHLBI, which included notification of any changes in staffing related to LVRS. The formal relationship between the NETT centers and NHLBI ended in June 2004 when the last data for the NETT were collected. The trial has completely ended and the centers no longer maintain any formal relationship with NHLBI related to LVRS.

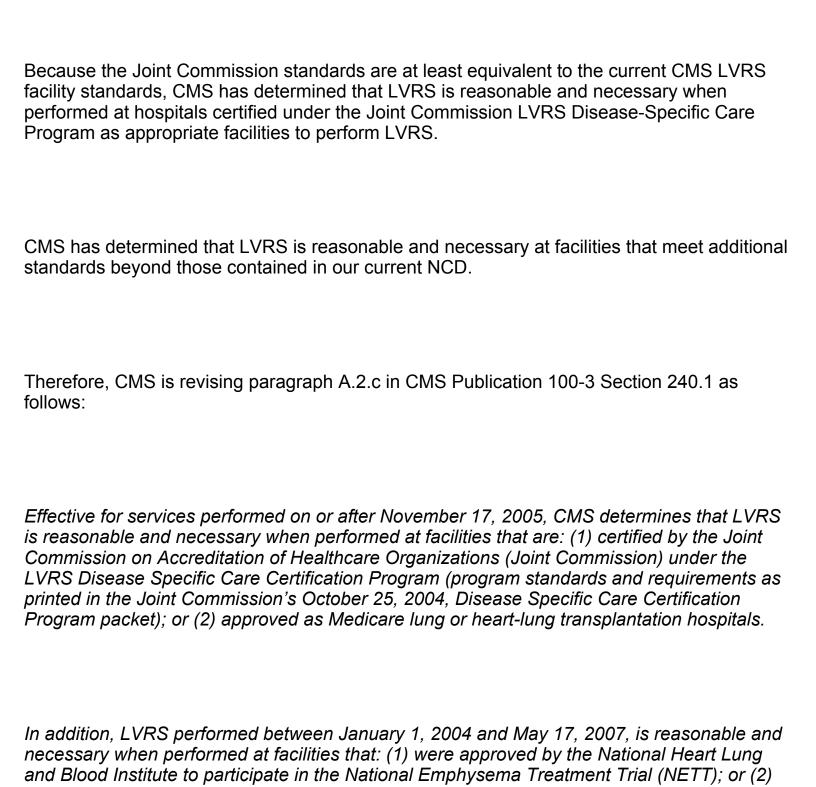
Since the formal relationship no longer exists, CMS can no longer be assured that the NETT centers are maintaining the standards that were once approved by NHLBI for participation in the clinical trial.

Accordingly, CMS will remove language in the NCD that was specifically included to provide coverage for patients enrolled in the NETT. This language is no longer applicable since the trial is not active and patients are no longer receiving services under the NETT protocol. Moreover, NETT facilities must meet one of the other criteria by 18 months following the effective date of this NCD to continue to receive Medicare payment for LVRS.

What impact will the proposed transplant regulation have on LVRS approved facilities<sup>7</sup>?

In the February 4, 2005, *Federal Register*, CMS proposed new criteria, called conditions of participation, for the approval and re-approval of Medicare lung and heart-lung transplant centers. When the regulation becomes final, CMS expects to rescind the current transplant NCDs. Thus, there may no longer be any transplant center criteria that would provide alternative facility standards that could be used to demonstrate that a facility is capable of performing LVRS in a reasonable and necessary manner. Therefore, when that regulation is final, transplant facilities will need to become approved for LVRS through certification by the Joint Commission or other mechanisms available at that time in order to continue to be eligible to receive reimbursement for LVRS performed on Medicare beneficiaries.

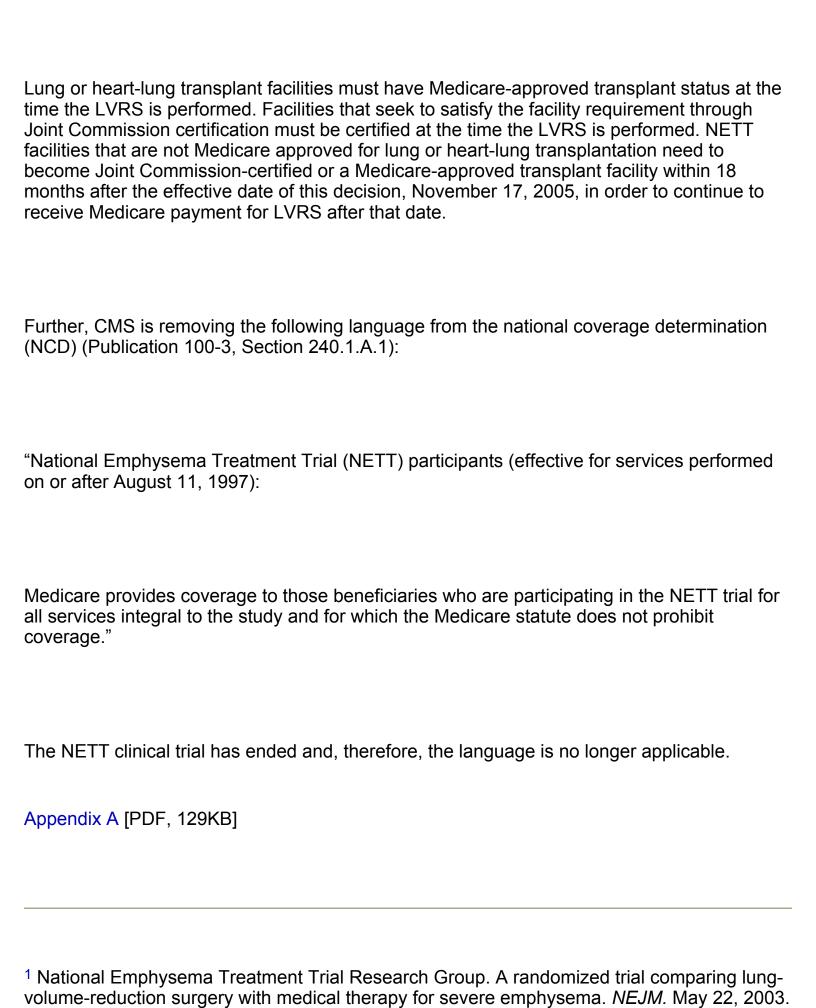
#### IX. Conclusion



Web site at www.cms.hhs.gov/coverage/lvrsfacility.pdf.

A list of approved facilities and their approval dates will be listed and maintained on the CMS

are approved as Medicare lung or heart-lung transplantation hospitals.



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<sup>2</sup> Federal Register. 6140. Vol. 70. No. 23. February 4, 2005.
<sup>3</sup> NHLBI: Request for proposals for the National Emphysema Treatment Trial. <i>Commerce Business Daily.</i> June 3, 1996. The Executive Steering Committee (ESC) for the study assembled a panel of experts and reviewed all submitted RFPs in September 1996. Ultimately, 18 centers met the threshold requirements set out by the ESC.
<sup>4</sup> Joint Commission: Letter to CMS. March 31, 2004.
<sup>5</sup> Letter to CMS from the requestor. January 25, 2005.
<sup>6</sup> As mentioned above, the process utilized by Joint Commission to develop and review the LVRS-specific standards and elements of performance has been based on expert consensus and also open for review to a reasonably broad audience of health care organizations and individuals.
<sup>7</sup> Federal Register. 6140. Vol. 70. No. 23. February 4, 2005.
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